ROHS TEST REPORT

Report Reference No..... : ZKT-220314L1671R

Date of issue..... : Mar.11, 2022

Total number of pages..... 14 pages

Testing Laboratory..... : **Shenzhen ZKT Technology Co., Ltd.**

Address..... : 1/F, No. 101, Building B, No. 6, Tangwei Community Industral Avenue, Fuhai Street, Bao'an District, Shenzhen, China

Applicant's name..... : **Henan Bosean Electronic Technology Co.,Ltd.**

Address..... : No.101, Ground floor, Block 10. Yida Technology New Park No. 16 JinZhan Road National High and new Technology Industry Development zone, Zhengzhou, 450007

Test Requested:	**Conclusion**
RoHS Directive 2011/65/EU Annex II amending Annex (EU)2015/863 and amending Annex (EU)2017/2102 —Lead, Cadmium, Mercury, Hexavalent Chromium, PBBs and PBDEs Content	PASS
—Di-(2-ethylhexyl) phthalate(DEHP), Benzylbutyl phthalate(BBP), Dibutyl phthalate (DBP), Diisobutyl phthalate(DIBP) Content	PASS

Test Report Form No..... : --

Test Report Form(s) Originator..... : ZKT Testing

Master TRF..... : Dated: 2017-06

This test report is specially limited to the above client company and product model only. It may not be duplicated without prior written consent of ZKT Test.

Test item description..... : **Nuclear radiation detector**

Trade Mark..... : N/A

Manufacturer..... : Henan Bosean Electronic Technology Co.,Ltd.
No.101, Ground floor, Block 10. Yida Technology New Park No. 16 JinZhan Road National High and new Technology Industry Development zone, Zhengzhou, 450007

Model/Type reference..... : FS-600

Testing procedure and testing location:

Testing Laboratory.....:	**Shenzhen ZKT Technology Co., Ltd.**
Address.....:	1/F, No. 101, Building B, No. 6, Tangwei Community Industral Avenue, Fuhai Street, Bao'an District, Shenzhen,China
Date of Test.....:	Mar. 03, 2022 - Mar. 11, 2022
Tested by (name + signature).....:	Abby Long
Reviewed by (name + signature).....:	Jason Wang
Approved by (name + signature).....:	Awen He

Test Method:

Heavy Metals and Flame Retardants Content – European Council Directive 2011/65/EU on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (RoHS)

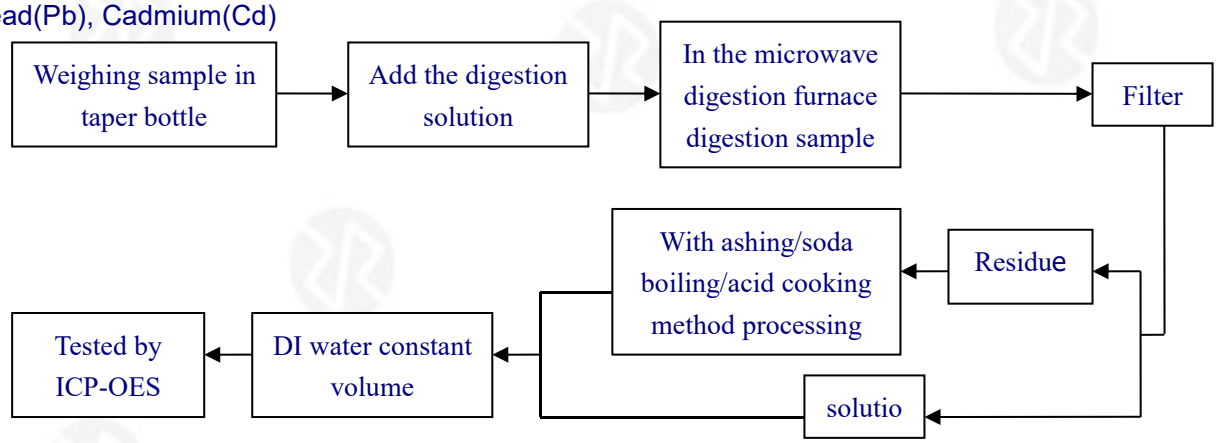
Testing item	Pretreatment method	Measuring instrument	MDL
Lead(Pb)	EN 62321-5:2014	ICP-OES	2 mg/kg
Cadmium(Cd)	EN 62321-5:2014	ICP-OES	2 mg/kg
Mercury(Hg)	EN 62321-4:2014/A1:2017	ICP-OES	2 mg/kg
Chromium(Cr VI)	EN 62321-1:2013	UV-Vis	2 mg/kg
PBBs/ PBDEs	EN 62321-1:2013	PY-GC-MS	5 mg/kg

Phthalates content – European Council Directive 2011/65/EU and Change-Directive (EU) 2015/863 on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (RoHS) Test Method: Sample was extracted with organic solvent and then analyzed by Gas Chromatograph Mass Spectrometer.

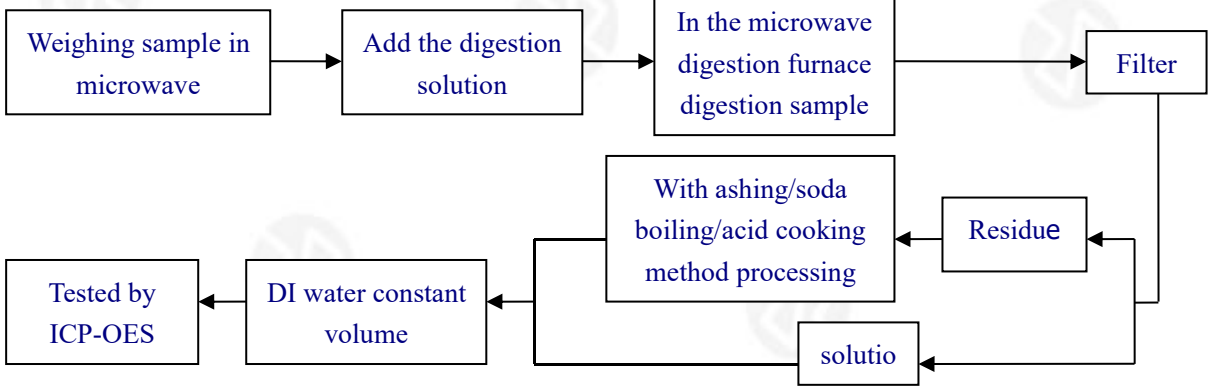
Testing item	Pretreatment method	Measuring instrument	MDL
DEHP/DBP/BBP/ DIBP	EN 14372:2004	GC-MS	30 mg/kg

Test Flow:

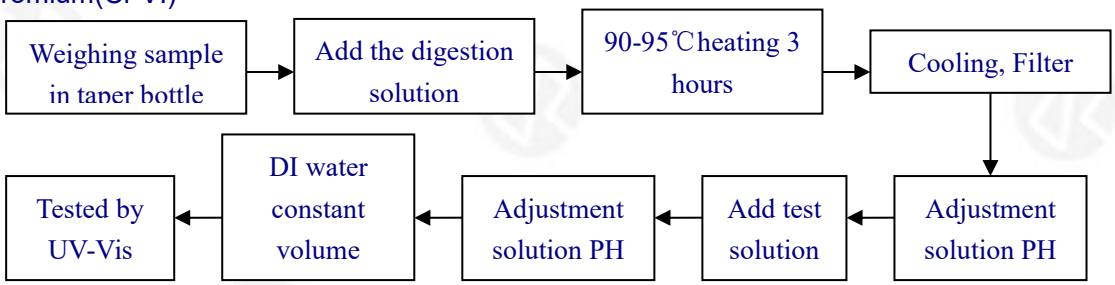
1. Lead(Pb), Cadmium(Cd)



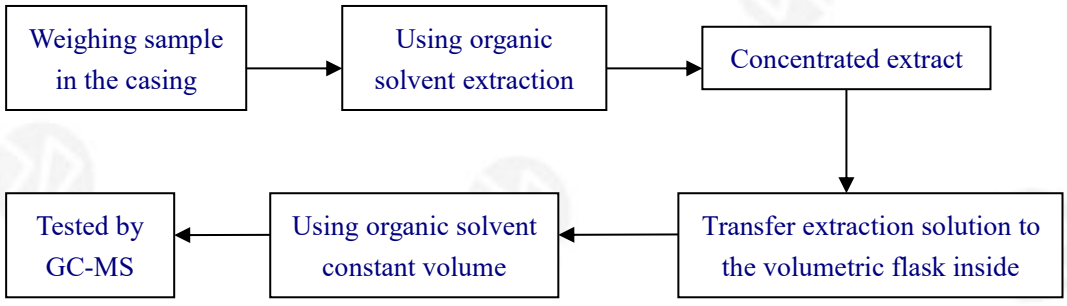
2. Mercury (Hg)



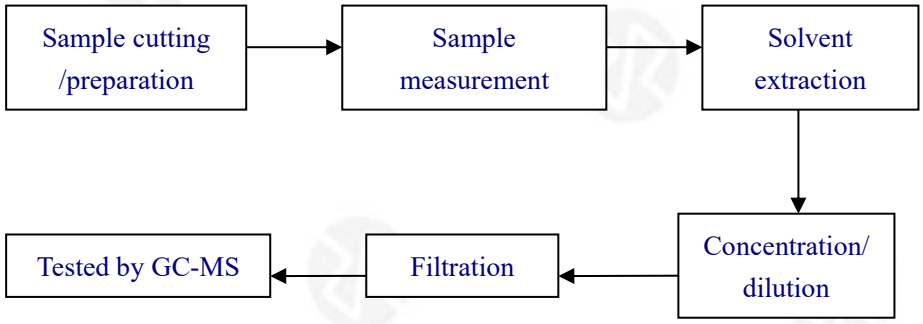
3. Chromium(Cr VI)



4. PBBs/ PBDEs



5. DEHP/ BBP/ DBP/ DIBP



Sample Description:

1 Spring
2 Black plastic
3 Battery
4 Screw
5 PCB
6 SMD capacitance
7 SMD triode
8 Tin
9 LCD
10 SMD resistance
11 Inductance
12 SMD diode
13 LED
14 IC
15 USB port
16 Buzzer
17 MOS
18 White plastic
19 Internal wires
20 Button

Test Results:

Testing Item	Unit	ROHS Limit	Result					
			2	3	5	6	7	9
Lead(Pb)	mg/kg	1000	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Cadmium(Cd)	mg/kg	100	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Mercury(Hg)	mg/kg	1000	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Chromium(Cr VI)	mg/kg	1000	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Sum of PBBs/ PBDEs	mg/kg	1000	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Monobromobiphenyl	mg/kg	/	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Dibromobiphenyl	mg/kg	/	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Tribromobiphenyl	mg/kg	/	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Tetrabromobiphenyl	mg/kg	/	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Pentabromobiphenyl	mg/kg	/	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Hexabromobiphenyl	mg/kg	/	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Heptabromobiphenyl	mg/kg	/	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Octabromobiphenyl	mg/kg	/	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Nonabromobiphenyl	mg/kg	/	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Decabromobiphenyl	mg/kg	/	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Monobromodiphenyl ether	mg/kg	/	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Dibromodiphenyl ether	mg/kg	/	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Tribromodiphenyl ether	mg/kg	/	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Tetrabromodiphenyl ether	mg/kg	/	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Pentabromodiphenyl ether	mg/kg	/	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Hexabromodiphenyl ether	mg/kg	/	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Heptabromodiphenyl ether	mg/kg	/	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Octabromodiphenyl ether	mg/kg	/	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Nonabromodiphenyl ether	mg/kg	/	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Decabromodiphenyl ether	mg/kg	/	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Bis-(2-ethylhecyl) Phthalate (DEHP)	mg/kg	1000	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Benzylbutyl Phthalate (BBP)	mg/kg	1000	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Dibutyl Phthalate (DBP)	mg/kg	1000	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Di-isobutyl phthalate (DIBP)	mg/kg	1000	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.

Testing Item	Unit	ROHS Limit	Result					
			10	12	13	14	16	17
Lead(Pb)	mg/kg	1000	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Cadmium(Cd)	mg/kg	100	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Mercury(Hg)	mg/kg	1000	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Chromium(Cr VI)	mg/kg	1000	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Sum of PBBs/ PBDEs	mg/kg	1000	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Monobromobiphenyl	mg/kg	/	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Dibromobiphenyl	mg/kg	/	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Tribromobiphenyl	mg/kg	/	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Tetrabromobiphenyl	mg/kg	/	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Pentabromobiphenyl	mg/kg	/	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Hexabromobiphenyl	mg/kg	/	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Heptabromobiphenyl	mg/kg	/	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Octabromobiphenyl	mg/kg	/	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Nonabromobiphenyl	mg/kg	/	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Decabromobiphenyl	mg/kg	/	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Monobromodiphenyl ether	mg/kg	/	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Dibromodiphenyl ether	mg/kg	/	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Tribromodiphenyl ether	mg/kg	/	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Tetrabromodiphenyl ether	mg/kg	/	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Pentabromodiphenyl ether	mg/kg	/	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Hexabromodiphenyl ether	mg/kg	/	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Heptabromodiphenyl ether	mg/kg	/	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Octabromodiphenyl ether	mg/kg	/	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Nonabromodiphenyl ether	mg/kg	/	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Decabromodiphenyl ether	mg/kg	/	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Bis-(2-ethylhecyl) Phthalate (DEHP)	mg/kg	1000	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Benzylbutyl Phthalate (BBP)	mg/kg	1000	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Dibutyl Phthalate (DBP)	mg/kg	1000	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Di-isobutyl phthalate (DIBP)	mg/kg	1000	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.

Testing Item	Unit	ROHS Limit	Result					
			17	18	19	/	/	/
Lead(Pb)	mg/kg	1000	N.D.	N.D.	N.D.	/	/	/
Cadmium(Cd)	mg/kg	100	N.D.	N.D.	N.D.	/	/	/
Mercury(Hg)	mg/kg	1000	N.D.	N.D.	N.D.	/	/	/
Chromium(Cr VI)	mg/kg	1000	N.D.	N.D.	N.D.	/	/	/
Sum of PBBs/ PBDEs	mg/kg	1000	N.D.	N.D.	N.D.	/	/	/
Monobromobiphenyl	mg/kg	/	N.D.	N.D.	N.D.	/	/	/
Dibromobiphenyl	mg/kg	/	N.D.	N.D.	N.D.	/	/	/
Tribromobiphenyl	mg/kg	/	N.D.	N.D.	N.D.	/	/	/
Tetrabromobiphenyl	mg/kg	/	N.D.	N.D.	N.D.	/	/	/
Pentabromobiphenyl	mg/kg	/	N.D.	N.D.	N.D.	/	/	/
Hexabromobiphenyl	mg/kg	/	N.D.	N.D.	N.D.	/	/	/
Heptabromobiphenyl	mg/kg	/	N.D.	N.D.	N.D.	/	/	/
Octabromobiphenyl	mg/kg	/	N.D.	N.D.	N.D.	/	/	/
Nonabromobiphenyl	mg/kg	/	N.D.	N.D.	N.D.	/	/	/
Decabromobiphenyl	mg/kg	/	N.D.	N.D.	N.D.	/	/	/
Monobromodiphenyl ether	mg/kg	/	N.D.	N.D.	N.D.	/	/	/
Dibromodiphenyl ether	mg/kg	/	N.D.	N.D.	N.D.	/	/	/
Tribromodiphenyl ether	mg/kg	/	N.D.	N.D.	N.D.	/	/	/
Tetrabromodiphenyl ether	mg/kg	/	N.D.	N.D.	N.D.	/	/	/
Pentabromodiphenyl ether	mg/kg	/	N.D.	N.D.	N.D.	/	/	/
Hexabromodiphenyl ether	mg/kg	/	N.D.	N.D.	N.D.	/	/	/
Heptabromodiphenyl ether	mg/kg	/	N.D.	N.D.	N.D.	/	/	/
Octabromodiphenyl ether	mg/kg	/	N.D.	N.D.	N.D.	/	/	/
Nonabromodiphenyl ether	mg/kg	/	N.D.	N.D.	N.D.	/	/	/
Decabromodiphenyl ether	mg/kg	/	N.D.	N.D.	N.D.	/	/	/
Bis-(2-ethylhecyl) Phthalate (DEHP)	mg/kg	1000	N.D.	N.D.	N.D.	/	/	/
Benzylbutyl Phthalate (BBP)	mg/kg	1000	N.D.	N.D.	N.D.	/	/	/
Dibutyl Phthalate (DBP)	mg/kg	1000	N.D.	N.D.	N.D.	/	/	/
Di-isobutyl phthalate (DIBP)	mg/kg	1000	N.D.	N.D.	N.D.	/	/	/

Testing Item	Unit	ROHS Limit	Result					
			1	4	8	11	15	20
Lead(Pb)	mg/kg	1000	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Cadmium(Cd)	mg/kg	100	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Mercury(Hg)	mg/kg	1000	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Chromium(Cr VI)	mg/kg	1000	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Sum of PBBs/ PBDEs	mg/kg	1000	/	/	/	/	/	/
Monobromobiphenyl	mg/kg	/	/	/	/	/	/	/
Dibromobiphenyl	mg/kg	/	/	/	/	/	/	/
Tribromobiphenyl	mg/kg	/	/	/	/	/	/	/
Tetrabromobiphenyl	mg/kg	/	/	/	/	/	/	/
Pentabromobiphenyl	mg/kg	/	/	/	/	/	/	/
Hexabromobiphenyl	mg/kg	/	/	/	/	/	/	/
Heptabromobiphenyl	mg/kg	/	/	/	/	/	/	/
Octabromobiphenyl	mg/kg	/	/	/	/	/	/	/
Nonabromobiphenyl	mg/kg	/	/	/	/	/	/	/
Decabromobiphenyl	mg/kg	/	/	/	/	/	/	/
Monobromodiphenyl ether	mg/kg	/	/	/	/	/	/	/
Dibromodiphenyl ether	mg/kg	/	/	/	/	/	/	/
Tribromodiphenyl ether	mg/kg	/	/	/	/	/	/	/
Tetrabromodiphenyl ether	mg/kg	/	/	/	/	/	/	/
Pentabromodiphenyl ether	mg/kg	/	/	/	/	/	/	/
Hexabromodiphenyl ether	mg/kg	/	/	/	/	/	/	/
Heptabromodiphenyl ether	mg/kg	/	/	/	/	/	/	/
Octabromodiphenyl ether	mg/kg	/	/	/	/	/	/	/
Nonabromodiphenyl ether	mg/kg	/	/	/	/	/	/	/
Decabromodiphenyl ether	mg/kg	/	/	/	/	/	/	/
Bis-(2-ethylhecyl) Phthalate (DEHP)	mg/kg	1000	/	/	/	/	/	/
Benzylbutyl Phthalate (BBP)	mg/kg	1000	/	/	/	/	/	/
Dibutyl Phthalate (DBP)	mg/kg	1000	/	/	/	/	/	/
Di-isobutyl phthalate (DIBP)	mg/kg	1000	/	/	/	/	/	/

Notes:

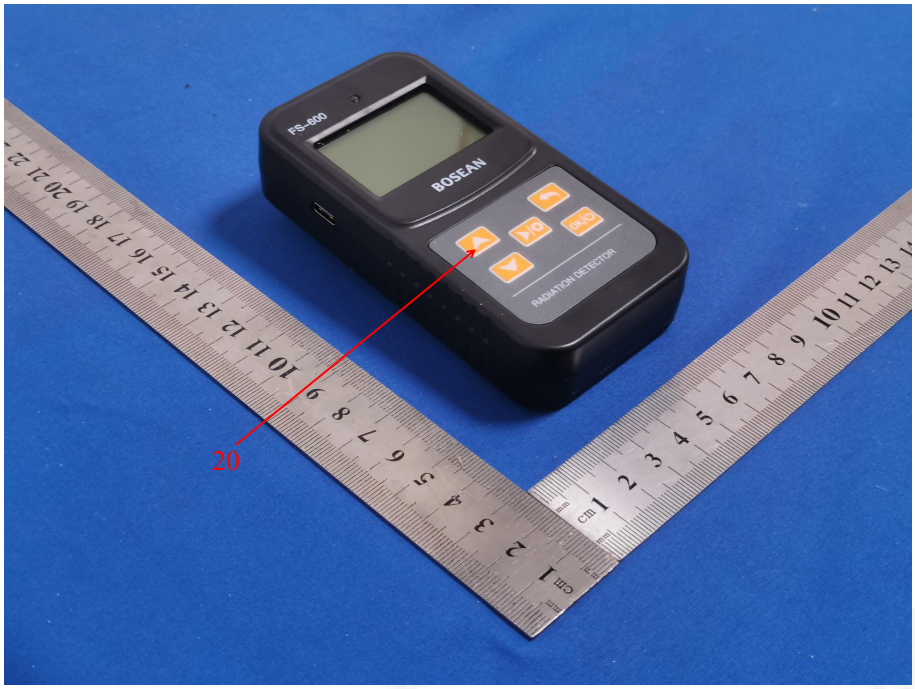
1mg/kg=1ppm = 0.0001%
N.D. = Not Detected (<MDL)
MDL = Method Detection Limit
/=Not Regulated
---=Not Applicable

Breakdown of product

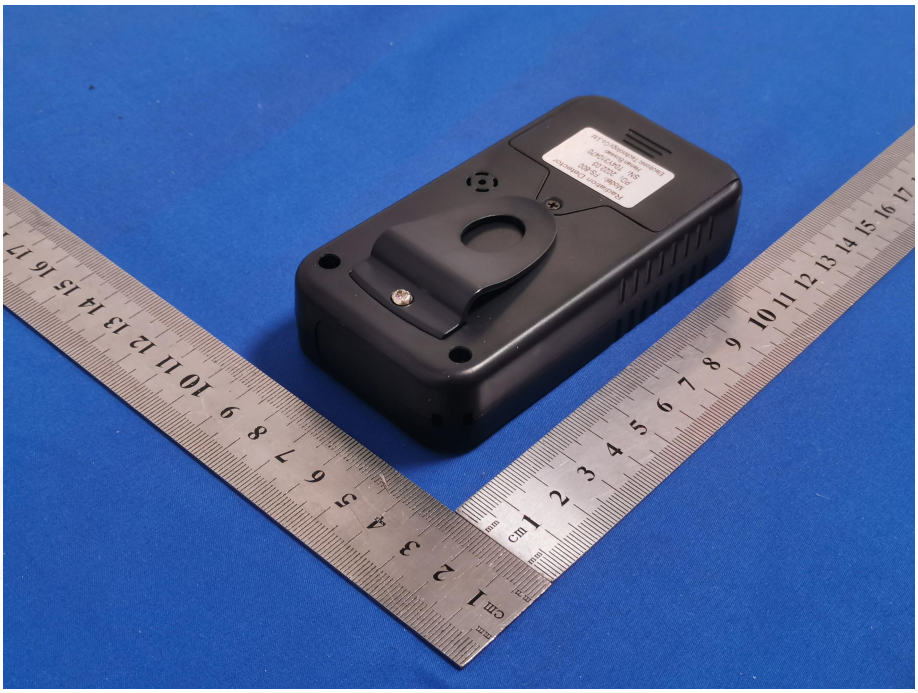
ANNEX A: Photo-documentation

EUT Photo 1

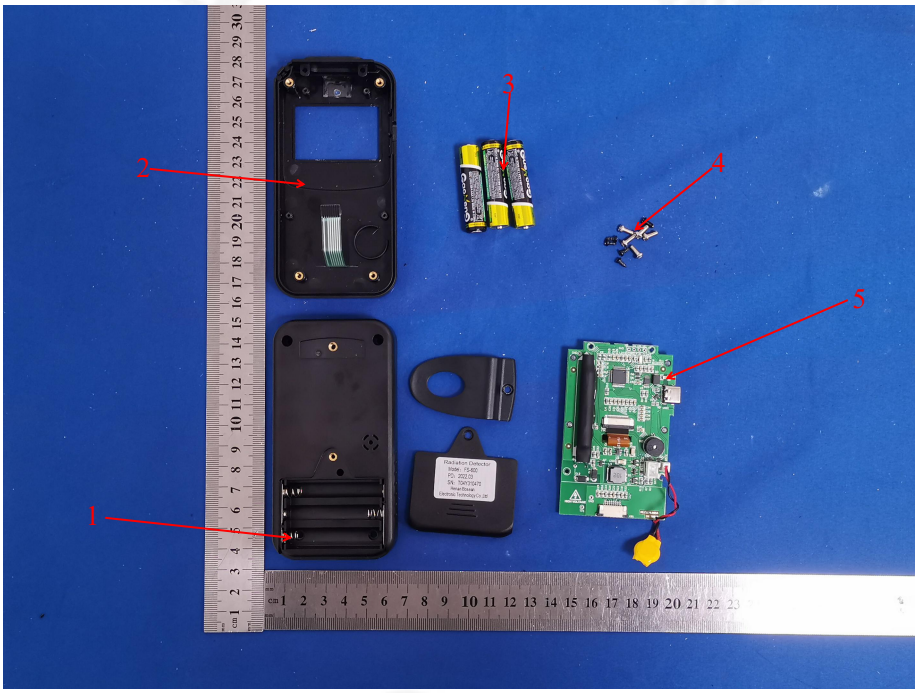
EUT Photo 2



EUT Photo 3



EUT Photo 4



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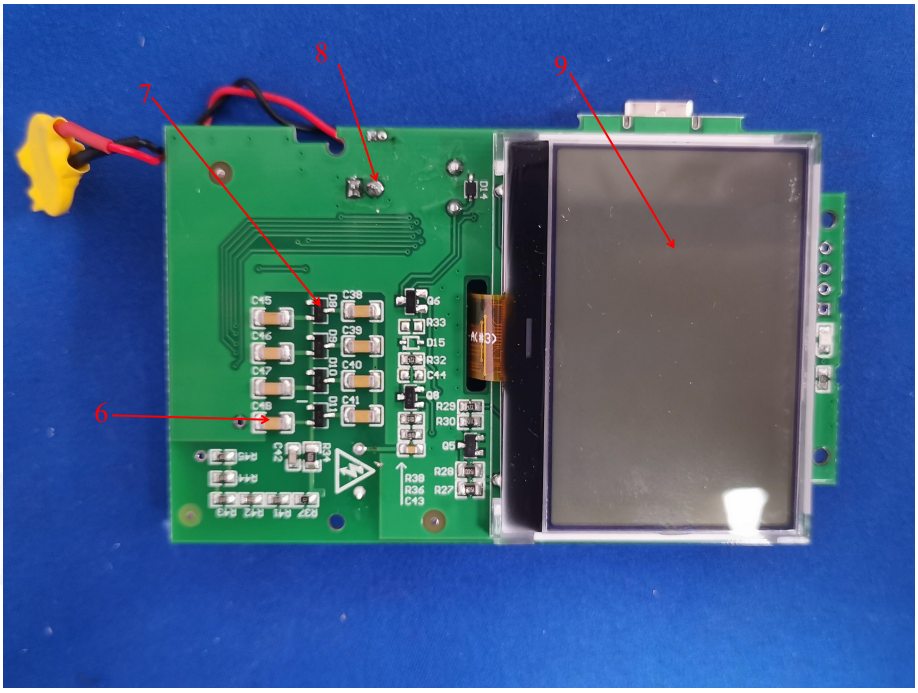
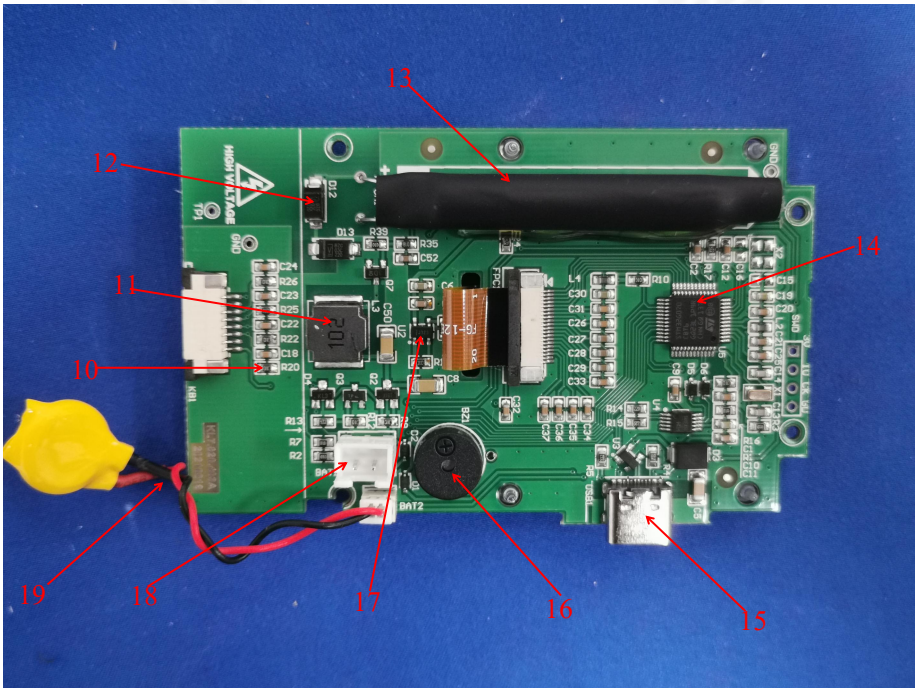


EUT Photo 6



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